

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all previous listings and versions of claim in this application:

1. (Currently Amended) An apparatus for processing multiple radio signals simultaneously, said apparatus comprising:

(a) a radio receiver module having at least two radio receivers, each receiver capable of continuously receiving a separate unrelated radio signal;

(b) a storage module having a capacity to simultaneously store in a buffer at least an audio portion of every each radio signal received by the two radio receivers ~~radio receiver module~~ for later output by selection of a user; and

(c) a control module having a programmable selection scheme to control functions including received radio signals, stored radio signals and portions thereof, and an output of the stored radio signals and portions thereof;

wherein a user can select a stored radio signal from the buffer in the storage module for the output.

2. (Original) The apparatus of claim 1, wherein the output further comprises an audio signal for a sound generating device.

3. (Original) The apparatus of claim 1, wherein the output further comprises a signal for a storage medium.

4. (Original) The apparatus of claim 1, wherein the programmable selection scheme further comprises a user selectable output of a previously stored portion of a radio signal.

5. (Original) The apparatus of claim 1, wherein the programmable selection scheme further comprises selecting received radio signals based on pre-selected radio signals.

6. (Original) The apparatus of claim 1, wherein the programmable selection scheme further comprises selecting received radio signals based on time of output algorithms.

7. (Original) The apparatus of claim 1, wherein the programmable selection scheme further comprises selecting received radio signals based on a sequential scan of available radio signals and a storing of each scanned radio signal in a buffer of the storage module up to a buffer limit, and simultaneously outputting a selected radio signal.
8. (Original) The apparatus of claim 1 further comprising a user input module for storing a table of user listening preferences.
9. (Original) The apparatus of claim 1 further comprising a recognition module to recognize an imbedded code in a received radio signal.
10. (Currently Amended) The apparatus of claim 9 further comprising a user input module for storing a table of user listening preferences wherein the user listening preference identifiers are derivable from the imbedded code, thereby enabling an output based on the user listening preferences.
11. (Original) The apparatus of claim 1 further comprising a recognition module having a set of stored audio signatures to recognize an incoming radio signal.
12. (Original) The apparatus of claim 1 further comprising a communication module.
13. (Original) The apparatus of claim 12, wherein the communication module comprises a telephone signal receiver, an output signal override device and an audio output device, wherein said output from said storage module is an audio output sent to the audio output device, and the override device replaces the audio output with the telephone signal.
14. (Original) The apparatus of claim 12, wherein the communication module further comprises a message receiver means functioning to receive a personal message addressed to a user.
15. (Original) The apparatus of claim 12, wherein the communication module further comprises a message transmission means functioning to send a message.

16. (Original) The apparatus of claim 12 further comprising a use history tracking means functioning to track a use of the apparatus.
17. (Original) The apparatus of claim 12, wherein the communication module further comprises a control module programmable selection scheme parameter receiver.
18. (Original) The apparatus of claim 12, wherein the communication module further comprises a database receiver, the control module further comprises a user preference scheme means functioning to provide the user with an output based on the user's preference scheme.
19. (Original) The apparatus of claim 1 further comprising a signal conditioning module means functioning to separate a vocal portion from an instrumental portion of the radio signal.
20. (Currently Amended) An apparatus for processing multiple radio signals simultaneously, said apparatus comprising:
- (a) a radio receiver module having at least two radio receivers, each receiver capable of continuously receiving a separate unrelated radio signal;
 - (b) a storage module having a capacity to simultaneously store in a buffer at least an audio portion of every ~~each~~ radio signal received by the two radio receivers ~~radio-receiver module~~ for later output by selection of a user; and
 - (c) a user input module for storing a table of user listening preferences.
21. (Currently Amended) An apparatus for processing multiple radio signals simultaneously, said apparatus comprising:
- (a) a radio receiver module having at least two radio receivers, each receiver capable of continuously receiving a separate unrelated radio signal;
 - (b) a storage module having a capacity to simultaneously store in a buffer at least an audio portion of every ~~each~~ radio signal received by the two radio receivers ~~radio-receiver module~~ for later output by selection of a user; and
 - (c) a recognition module having a set of stored audio signatures to recognize an incoming radio signal.

22. (Currently Amended) An apparatus for processing multiple radio signals simultaneously, said apparatus comprising:

- (a) a radio receiver module having at least two radio receivers, each receiver capable of receiving a separate radio signal;
- (b) a storage module having a capacity to simultaneously store a portion of at least an audio portion of every each radio signal received by the two radio receivers ~~radio receiver~~ module; and
- (c) a communication module;

wherein the communication module comprises a telephone signal receiver, an output signal override device and an audio output device, wherein said output from said storage module is an audio output sent to the audio output device, and the override device replaces the audio output with the telephone signal.

23. (Currently Amended) An apparatus for processing multiple radio signals simultaneously, said apparatus comprising:

- (a) a radio receiver module having at least two radio receivers, each receiver capable of continuously receiving a separate unrelated radio signal;
- (b) a storage module having a capacity to simultaneously store in a buffer at least an audio portion of every each radio signal received by the two radio receivers ~~radio receiver~~ module for later output by selection of user; and
- (c) a communication module;

wherein the communication module further comprises a message receiver means functioning to receive a personal message addressed to a user.

24. (Currently Amended) An apparatus for processing multiple radio signals simultaneously, said apparatus comprising:

- (a) a radio receiver module having at least two radio receivers, each receiver capable of continuously receiving a separate unrelated radio signal;
- (b) a storage module having a capacity to simultaneously store in a buffer at least an audio portion of every each radio signal received by the two radio receivers ~~radio receiver~~ module for later output by selection of user; and

(c) a communication module;

wherein the communication module further comprises a message transmission means functioning to send a message.

25. (Currently Amended) An apparatus for processing multiple radio signals simultaneously, said apparatus comprising:

(a) a radio receiver module having at least two radio receivers, each receiver capable of receiving a separate radio signal;

(b) a storage module having a capacity to simultaneously store at least an audio a portion of ~~each every~~ radio signal received by the two radio receivers ~~radio receiver module~~; and

(c) a communication module;

said communication module further comprising a use history tracking means functioning to track a use of the apparatus.

26. (Currently Amended) An apparatus for processing multiple radio signals simultaneously, said apparatus comprising:

(a) a radio receiver module having at least two radio receivers, each receiver capable of continuously receiving a separate unrelated radio signal;

(b) a storage module having a capacity to simultaneously store in a buffer at least an audio portion of every ~~each~~ radio signal received by the two radio receivers ~~radio receiver module~~ for later output by selection of a user; and

(c) a communication module;

wherein the communication module further comprises a database receiver, the control module further comprises a user preference scheme means functioning to provide the user with an output.

Claims 27-54 (Canceled).

55. (New) A method for processing multiple radio signals simultaneously, said method comprising:

continuously receiving at least two unrelated radio signals by at least two receivers of a radio receiver module;

simultaneously storing in a buffer at least an audio portion of every unrelated radio signal received by the two radio receivers for later output by selection of a user;

controlling a programmable selection scheme to control functions including received radio signals, stored radio signals and portions thereof, and an output of the stored radio signals and portions thereof; and

selecting a stored radio signal from the buffer in the storage module for the output.

56. (New) The method of claim 55 further comprising signaling a storage device with the output.

57. (New) The method of claim 55 further comprising signaling a sound generating device with the output.

58. (New) The method of claim 55 further comprising conditioning a signal to separate a vocal portion from an instrumental portion of the radio signal.

59. (New) The method of claim 55 wherein the controlling further comprises controlling a user selectable output of a previously stored portion of a radio signal.

60. (New) The method of claim 55 wherein the controlling further comprises selecting received radio signals based on a sequential scan of available radio signals, storing each scanned radio signal in a buffer of the storage module up to a buffer limit, and simultaneously outputting a selected radio signal.

61. (New) The method of claim 55 further comprising:
storing a table of user listening preferences;
recognizing an imbedded code in a received radio signal;
deriving user listening preference identifiers from the imbedded code; and
enabling an output based on the user listening preferences identifiers.

62. (New) The method of claim 55 further comprising recognizing an incoming radio signal from a set of stored audio signatures.

63. (New) The method of claim 55 further comprising performing a function selected from the group consisting of sending a personal message addressed to a user, receiving a personal message addressed to a user, downloading audio content, reporting usage data, receiving a control module programmable selection scheme parameter, receiving a database, and sending the output to a telephone signal.

64. (New) A computer readable medium having instructions thereon for performing steps for processing multiple radio signals simultaneously, the steps comprising:

continuously receiving at least two unrelated radio signals by at least two receivers of a radio receiver module;

simultaneously storing in a buffer at least an audio portion of every unrelated radio signal received by the two radio receivers for later output by selection of a user;

controlling a programmable selection scheme to control functions including received radio signals, stored radio signals and portions thereof, and an output of the stored radio signals and portions thereof; and

selecting a stored radio signal from the buffer in the storage module for the output.

65. (New) The computer readable medium of claim 64 further comprising signaling a storage device with the output.

66. (New) The computer readable medium of claim 64 further comprising signaling a sound generating device with the output.

67. (New) The computer readable medium of claim 64 further comprising conditioning a signal to separate a vocal portion from an instrumental portion of the radio signal.

68. (New) The computer readable medium of claim 64 wherein the controlling further comprises controlling a user selectable output of a previously stored portion of a radio signal.

69. (New) The computer readable medium of claim 64 wherein the controlling further comprises selecting received radio signals based on a sequential scan of available radio signals,

storing each scanned radio signal in a buffer of the storage module up to a buffer limit, and simultaneously outputting a selected radio signal.

70. (New) The computer readable medium of claim 64 further comprising:
storing a table of user listening preferences;
recognizing an imbedded code in a received radio signal;
deriving user listening preference identifiers from the imbedded code; and
enabling an output based on the user listening preferences identifiers.
71. (New) The computer readable medium of claim 64 further comprising recognizing an incoming radio signal from a set of stored audio signatures.
72. (New) The computer readable medium of claim 64 further comprising performing a function selected from the group consisting of sending a personal message addressed to a user, receiving a personal message addressed to a user, downloading audio content, reporting usage data, receiving a control module programmable selection scheme parameter, receiving a database, and sending the output to a telephone signal.